

1. A system for facilitating user thinking about an arbitrary problem, comprising:
  - first logic to facilitate user specification of the problem to populate a problem statement structure;
  - second logic to facilitate user specification of a conclusion statement, related to the problem statement, to populate a conclusion statement structure;
  - third logic to facilitate user creation and specification of knowledge, related to at least one of the problem statement and the conclusion statement,
- 10 to populate a knowledge structure;
  - model logic to track user interaction with the first through third logic to construct a user model structure of user development and population of the user model structure, conclusion statement structure, and knowledge structure; and
- 15 structure analysis logic to analyze the user model structure relative to an archetype model structure.

  

2. The system of claim 1 wherein the archetype model structure is a dynamic structure that changes in response to the user model structure.

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3. The system of claim 1 wherein the archetype model structure is specified in a set of rules specifying relationships among the problem structure, conclusion statement structure, and knowledge structure.

  

- 25 4. The system of claim 1 wherein the user specification of knowledge includes the user specification of data and wherein the knowledge structure is a data structure to hold data.

  

- 30 5. The system of claim 1 wherein the user specification of knowledge includes the user specification of information and wherein the knowledge structure is an information structure to hold information.

6. The system of claim 1 wherein the user specification of knowledge includes the user specification of analysis and wherein the knowledge structure is an analysis structure to hold analysis.

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7. The system of claim 1 further including fourth logic to facilitate user specification of at least one subtopic statement, related to the problem, to populate a corresponding at least one subtopic statement structure to disaggregate the problem into related subtopics, and wherein the model logic

10 tracks user interaction with the first through fourth logic to construct a user model structure of user development and population of the problem structure, conclusion statement structure, knowledge structure, and the at least one subtopic statement structure.

15 8. The system of claim 7 further including fifth logic to facilitate user specification of at least one meaning statement, related to a corresponding at least one problem or subtopic statement, to populate a corresponding at least one meaning statement structure, and wherein the model logic tracks user interaction with the first through fifth logic to construct a user model structure of  
20 user development and population of the problem structure, conclusion statement structure, knowledge structure, the at least one subtopic statement structure, and the at least one meaning statement structure.

9. The system of claim 1 further including logic to cause a presentation to  
25 the user, including depiction of suggested next steps for the user.

10. The system of claim 1 further including logic to present to the user at least a subset of content of the problem statement structure, the conclusion statement structure, and the knowledge structure.

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11. The system of claim 10 wherein the logic to present includes logic to depict relationships among content of the problem statement structure, the conclusion statement structure, and the knowledge structure.
- 5 12. The system of claim 11 wherein the logic to depict relationships includes logic to depict hierarchical relationships.
- 10 13. The system of claim 12 wherein the logic to present depicts all relationships among the problem statement structure, the conclusion statement structure, and the knowledge structure.
- 15 14. The system of claim 13 wherein the logic to present includes logic to present user controls to create at least one new problem statement structure, conclusion statement structure, or knowledge structure.
- 20 15. The system of claim 13 wherein the logic to present includes logic to present user controls to modify at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.
- 25 16. The system of claim 10 wherein the logic to present includes logic to present structures all of similar type.
17. The system of claim 16 wherein the logic to present includes logic to present user controls to modify or create at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.
18. The system of claim 10 wherein the logic to present includes logic to present an individual structure only.

19. The system of claim 18 wherein the logic to present includes logic to present user controls to modify or create at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.

5 20. The system of claim 1 wherein the control logic includes logic to provide suggestion feedback to the user of next steps for a user to take, wherein the logic to provide suggestion feedback is responsive to prior user interactions.

21. The system of claim 20 wherein the logic to provide suggestion

10 feedback includes logic to perform gap analysis on the at least a subset of the problem statement structure, the conclusion statement structure, the knowledge structure, and the relations therebetween to suggest next steps for the user to create or populate structures identified from the gap analysis.

15 22. The system of claim 21 wherein the logic to perform gap analysis includes logic to analyze linkages among the at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure to detect gaps.

20 23. The system of claim 21 wherein the logic to provide suggestion feedback includes filtering logic to determine whether to provide suggestion feedback based on the state of development of the user interactions.

24. The system of claim 20 wherein the logic to provide suggestions

25 includes content analysis logic to analyze content entered by the user to determine relevant suggestions for next steps to the user.

25. The system of claim 24 wherein the content analysis logic parses user entry to determine if the entry corresponds to a predefined set of phrases.

26. The system of claim 20 wherein the logic to provide suggestions includes relationship analysis logic to identify suggestions of next steps according to predefined relationship criteria.

5 27. The system of claim 20 wherein the logic to provide suggestions includes logic to present suggestions for next steps to the user in a visually distinctive manner.

28. The system of claim 27 wherein the logic to present suggestions for  
10 next steps to the user presents user controls in emphasis.

29. The system of claim 27 wherein the logic to present suggestions for next steps to the user presents workspace controls to activate a workspace corresponding to suggested next steps in proximity to a current workspace.

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30. The system of claim 20 wherein the logic to provide suggestion feedback includes logic to provide content analysis of at least one of the problem statement structure, the conclusion statement structure, and the knowledge structure.

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